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Section B - Supplies or Services and Prices

ITEM NO 0003	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT (b) (2)
	Engineering and Technica CPFF in support of the Navy Mo (HM&E) systems Option the Statement of Work. FOB: Destination				
		(b)			
ITEM NO 0003AA	SUPPLIES/SERVICES Holding SLIN for CLIN 0 CPFF This priced SLIN is a hold be reduced with every addremaining ceiling is (b) (4 FOB: Destination	ling SLIN for adm			AMOUNT (b) (4)

N65540-15-D-0007 0014 Page 3 of 14

(b) (4)

AMOUNT

0003AB (b) (4) 1 Lot Funding for CLIN 0003 10 U.S.C. 2410(a) authority is hereby invoked. Funding is available for performance through the end of the task order period of performance or (1) year after the date of award, whichever occurs soonest. Funding Doc. #N0006016PO2ARWC. FOB: Destination PURCHASE REQUEST NUMBER: 1300616160 ESTIMATED COST FIXED FEE TOTAL EST COST + FEE ACRN AA CIN: 130061616000001 SUPPLIES/SERVICES UNIT **UNIT PRICE AMOUNT** ITEM NO **QUANTITY** 0004 (b) (2) Support Costs COST includes material, travel, incidential subcontracting and other direct costs in support of Items 0003 and 0004 in accordance with the Statement of Work. FOB: Destination ESTIMATED COST QUANTITY ITEM NO SUPPLIES/SERVICES **UNIT** UNIT PRICE **AMOUNT** 0004AA (b) (4) Lot (b) (4) Holding SLIN for CLIN 0004 This priced SLIN is a holding SLIN for administrative purposes. This SLIN will be reduced with every additional incremental funding modification. The remaining ceiling is (b) (4) FOB: Destination

UNIT

UNIT PRICE

NET AMT

ITEM NO

SUPPLIES/SERVICES

FFP

QUANTITY

ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE (b) (4)

AMOUNT (b) (4)

Funding for CLIN 0004

COST

10 U.S.C. 2410(a) authority is hereby invoked. Funding is available for performance through the end of the task order period of performance or (1) year after the date of award, whichever occurs soonest. Funding Doc.

#N0006016PO2ARWC.

FOB: Destination

PURCHASE REQUEST NUMBER: 1300616160

ESTIMATED COST

ACRN AA

CIN: 130061616000002

ITEM NO SUPPLIES/SERVICES QUANTITY UNIT UNIT PRICE AMOUNT 0005 (b) (2)

Technical Data Not Seperately Priced FOB: Destination FFP

NET AMT

LEVEL OF EFFORT

LABOR CATEGORY	AMSEC	
	ST/OT	
Engineer	(b) (2)	
Logistician	(-) ()	
Quality Assurance Specialist		
Technical Writer		
Clerk/Typist		
Engineering Tech		
Planner Estimator		
Site Foreman		
QA Technician		
Marine Equip Mechanic		
Marine Electrician		
Shipfitter/Welder/Burner		
Main Trades Helper		
Pipefitter/Brazier		-
Total Hours	6,268/2,532	•

Labor Cost: (b) (4) Fixed Fee: \$ Total Labor Support Co Total CPFF: \$1,091,681.00

This order has hereby been awarded in the amount of \$1,091,681.00 and incremental funding in the amount of (b) (4)

. As a result the total amount of funding obligated and available for payment under this order is (b) (4)

. It is estimated that the funding obligated and available for payment under this order is (b) (4)

It is estimated that the funding for this order will cover the cost of performance through 30 March 2017. In accordance with clause 52.232-22 Limitation of Funds, the Government is not obligated to reimburse the contractor for any costs in excess of (b) (4)

unless additional funds are made available and obligated under this order in a subsequent modification. The total unfunded balance remaining is (b) (4)

Note:

AMSEC's proposed (b) (2)

(b) (2)

STATEMENT OF WORK

SHORT TITLE: SSBN/GN SSTG AND PLO MIST ELIMINATORS

1. PERIOD OF PERFORMANCE:

START DATE: Upon Award

SHIPBOARD/TECHNICAL PERFORMANCE: 19 January 2017 to 30 Mar 2018

COMPLETION DATE REPORTS/CDRLS: 30 March 2018

- 2. PLACE(S) OF PERFORMANCE:
 - a. Contractors Facility, Tidewater, VA. Area
 - b. Trident Repair Facility, Kings Bay, GA
 - c. Norfolk Naval Shipyard, Portsmouth, VA
- 3. DESCRIPTION OF TASK: NSWCPD is tasked with providing Alteration Installation Team Support for the installation of Hull, Mechanical, and Electrical (HM&E) Type Commander (TYCOM) threshold modernization alterations onboard SSBN/SSGNs. In support of this effort, NSWCPD Code 214 will require contractor with specific prior installation experience of Mist Eliminators on Nuclear Powered Vessels for the installation of Type Zero (TZ) Alterations TZ-0943 and TZ-0952 onboard eight (8) SSBN/SSGN-(b) Class Submarines. No SUBSAFE work will be performed on this Delivery Order. Any SUBSAFE requirements for the alterations listed below will be contracted separately to a NAVSEA Note 5000 activity either through Support Services agreements or separate NSWCPD contract.
 - 3.1 Submarine SHIPALTs and Alteration & Improvements expected to be accomplished include:

```
3.1.1
         SHIPALT SSBN/SSGN TZ-0952, PLO Mist Eliminators
                                                                                   (8 installs total)
                                           (SSBN(b)) installation at NNSY, Portsmouth, VA (present –
                 3/12/18)
       3.1.1.2 (b) (2)
                                   (SSGN<sub>(b)</sub> installation in Kings Bay, GA<sub>(b)</sub> (2)
       3.1.1.3 (b) (2) (SSGN(b)) installation in Kings Bay, GA (b) 3.1.1.4 5 SSBN installations in Kings Bay, GA (schedule is classified)
                                   (SSGN(b)) installation in Kings Bay, GA (b) (2)
                                                                                                       )
              3.1.1.4.1 (b) (2)
              3.1.1.4.2
              3.1.1.4.3
              3.1.1.4.4
              3.1.1.4.5
         SHIPALT SSBN/SSGN TZ-0943, SSTG Mist Eliminators
3.1.2
                                                                                   (2 installs total)
                                  (SSGN<sub>(b)</sub>) installation in Kings Bay, GA (b) (2)
       3.1.2.1 (b) (2)
       3.1.2.2 1 SSBN installation in Kings Bay, GA (b) (2)
              3.1.2.2.1 (b) (2)
                                              (SSBN(b))
```

- 3.2 The contractor shall provide to NSWCPD, where applicable, as-built drawings (Final Configuration LARs) once the tasking is complete for each alteration.
- 3.3 The following documents are applicable:
 - a. NAVSEA 0902-018-2010, General Overhaul Specifications for Deep Diving SSBN/SSN Submarines.
 - b. NAVSEA SL720-AA-MAN-030 Navy Modernization Process Management and Operations Manual (NMP-MOM) (https://www.nde.navy.mil/)
 - c. NAVSEA 9090-310(latest) SHIPALT by Alteration Installation Team (https://www.nde.navy.mil/)

- d. NAVSSES Instruction 4720.2(latest) Process and Policy for Shipboard Industrial Work.
- e. CINCLANTFLT/CINCPACFLTINST 4790.3, Joint Fleet Maintenance Manual (http://www.submepp navy mil/jfmm/)
- f. NAVSEA Standard Item 009-04, Quality Management System (http://www.navsea navy mil/Portals/103/Documents/SSRAC/NSI/FY16/009-99_FY16.pdf)
- g. NAVSEA S0400-AD-URM-010/TUM, Tagout User's Manual.
- h. NAVSEA S9074-AQ-GIB-010/248, Requirements for Welding and Brazing.
- i. NAVSEA S9074-AR-GIB-010/278, Requirements for Fabrication, Welding, and Inspection.
- j. NAVSEA T9074-AS-GIB-010/271, Requirements for Non-Destructive Testing.
- k. MIL-STD-1622B, Cleaning of Shipboard Compressed Air Systems.
- 1. NAVSEAINST 4350.2D, Contract Work Onboard Nuclear Powered Ships (http://www.navsea navy mil/Resources/Instructions.aspx)
- m. NAVSEA S9074-AD-GIB-010/1688, Requirements for Fabrication, Welding, and Inspection of Submarine Structure.
- n. NAVSEA 0948-LP-045-7010, Volume I, Revision 3, Material Control Standard (Non-Nuclear)
- NAVSEA Instruction 5100.3D; Mercury, Mercury Compounds, and Components Containing Mercury or Mercury Compounds, Control of
- p. NAVSEA S9510-AB-ATM-010 / U, Volume 1-Nuclear Powered Submarine Atmosphere Control Manual

4. **REQUIREMENTS:**

- 4.1 In support of Submarine Alteration Installations, the contractor shall review all referenced and government furnished information in order to gain a complete understanding of the scope of the installations and hardware requirements.
 - 4.1.1 Experience with modernization of submarine nuclear propulsion interface systems (non-nuclear) in propulsion spaces given the "unique considerations for technical and quality control, ship safety, radiological controls, occupational health and safety, and information security." See Ref (1).
 - 4.1.2 Experience with the modernization of SSTG Lube Oil and Propulsion Lube Oil (non-reactor plant systems and equipment) as well as propulsion reduction gear (non-reactor plant item) on nuclear powered ships. Failure to follow procedures specifically approved for the change, repair or maintenance of a nuclear plant could adversely affect reactor safety.
- 4.2 The contractor shall prepare detailed installation schedule (POA&M) based on the ship's availability schedule/s. The contractor will update this POA&M as schedules change, workflow problems occur, or other conditions warrant. The details of this POA&M will be coordinated with the NSWCPD technical representative, and other activities as necessary to ensure that proper support is available and delays are minimized.
 - 4.2.1 "Contracted planners and engineers must possess the necessary training and skills to issue process control procedures meeting Navy technical requirements" per paragraph 5.(c).5 of ref (l). The contractor's Planner and Estimator shall have prior experience in planning and developing detailed work packages for systems within nuclear propulsion spaces.
- 4.3 The contractor shall order, stage, and store all contractor furnished material as required
- 4.4 Utilizing Government Furnished Information (GFI) and Government Furnished Material (GFM) lists, the contractor shall develop a material list detailing material required to complete each installation. GFI and GFM are identified in paragraphs 5.1 and 5.3 respectively. This material status report detailing order status, long lead-time material list and estimated delivery dates will be updated weekly until completion.
- 4.5 The contractor shall provide temporary storage for all Government Furnished Material (GFM) required. The contractor shall also provide for the transportation of GFM to the ship as required. The contractor shall maintain identity of all items of material associated with the ship using DD form

- 1149's. The contractor shall maintain and update a database detailing status of material. GFM is identified in paragraph 5.3.
- 4.6 The contractor shall provide the necessary facilities, equipment, tools and trained trade personnel to accomplish the installation of the identified Submarine alterations. In accomplishing this work, the contractor shall:
 - 4.6.1 Maintain a daily work schedule and coordinate all work with NSWCPD representatives.
 - 4.6.2 Ensure work scheduled and accomplished meets requirements of POA&M discussed in paragraph 4.2. All discrepancies will be coordinated/discussed with NSWCPD on-site representative.
 - 4.6.3 Obtain, stage and ship to work site all contractor furnished incidental material necessary for each stage of the installation.
 - 4.6.4 Ensure all trade personnel meet applicable NAVSEA technical skill requirements as well as the qualification requirements of the contract. **Data Item A005**
 - 4.6.5 Ensure compliance with all applicable Occupational Safety and Health Administration (OSHA) and Navy safety regulations, including radiological control and ship's safety requirements.
 - 4.6.6 Conform to shipboard routine with regard to cleanliness, personnel conduct, and ship's security and integrity.
 - 4.6.7 Provide all CDRL's as identified in Section 9 Data Deliverables.
- 4.7 Submit the following reports upon completion of the installation and hardware:
 - 4.7.1 Installation Completion Report and Certificate of Compliance within five (5) working days after completion of each installation aboard ship. This report will include the following as applicable: pre- and post-installation test results, updates and/or changes to hardware requirements and recommendations.

5. GOVERNMENT FURNISHED INFORMATION/EQUIPMENT/MATERIAL:

- 5.1 GOVERNMENT FURNISHED INFORMATION (GFI): All applicable installation drawings and documentation will either be available on ATIS or provided by NSWCPD for each applicable task. The following NAVSEA drawings are applicable for this installation:
 - 5.1.1 NAVSEA DWG (b) (2)
 - 5.1.2 NAVSEA DWG
 - 5.1.3 NAVSEA DWG
 - 5.1.4 NAVSEA DWG
 - 5.1.5 NAVSEA DWG
 - 5.1.6 NAVSEA DWG
 - 5.1.7 NAVSEA DWG
- 5.2 GOVERNMENT FURNISHED EQUIPMENT (GFE): All GFE required to support this task order will be provided to the contractor at the start of the applicable task.
 - a. No GFE is required
- 5.3 GOVERNMENT FURNISHED MATERIAL (GFM): NSWCPD will provide a list of required all GFM. The alteration drawing packages identify all material as either GFM or IAF. NSWCPD will identify all required CFM to the contractor for procurement. GFM is identified as:
 - 5.3.1 ELIMINATOR, MIST, FILTER MODULE (NSN 4330-01-563-6607), QTY 8, for the two SSTG Mist Eliminator installations will be provided as GFM. Value = (b) (4) Each. (Mist Eliminators for the PLO installations are CFM).

6. CONTRACTOR FURNISHED EQUIPMENT/MATERIAL/TRANSPORTATION:

- 6.1 CONTRACTOR FURNISHED EQUIPMENT (CFE): All CFE required to support this task order is the responsibility of the contractor to provide. This includes but not limited to all personnel safety equipment and welding equipment.
- 6.2 CONTRACTOR FURNISHED MATERIAL (CFM): The contractor shall provide all required CFM identified in installation drawings and documentation, as well as all consumable material as required to complete the Alterations listed in paragraph 3 as well as appropriate tooling and qualified personnel.
- 6.3 CONTRACTOR FURNISHED TRANSPORTATION (CFT): None Required
- 7. TRAVEL: Travel is authorized for this task order and anticipated in the following locations:
 - 7.1 Travel Destinations
 - a. Norfolk, VA to Kings Bay, GA (7 Trips)
 - b. Norfolk, VA to Philadelphia, PA (2 Trips)
- **8. SECURITY:** The highest level of security required for this contract is CONFIDENTIAL. Although the actual work being performed does not require a SECRET clearance, all personnel working onboard submarines must meet the security requirements identified in ref (l) in order to access those submarines.
- 81. Materials required to support this effort are For Official Use Only (FOUO), Unclassified NNPI and Personally Identifiable Information (PII) generated and/or provided under this contract shall be safeguarded and marked as specified in DoD 5400.7-R Chapters 3 and 4. Please note that no work will be performed on NNPI systems. Unclassified NNPI Security provisions are in accordance with DD 254 attached to the resultant task order.

9. DATA DELIVERABLES:

- 9.1 Detailed Installation Milestone Schedule (POA&M) will be submitted within twenty (20) working days after contract award. Updates will be submitted weekly to NSWCPD representative tracking progress. Format shall track progress agreement/discrepancy with POA&M. **Data Item A003**
- 9.2 Installation Completion Report and Certificate of Compliance will be submitted within five (5) working days after completion of each shipboard installation. **Data Item A014**
- 9.3 Monthly financial and technical progress reports will be provided on all tasks with funding and task completion percentages. All identified disconnects between work completion and money spent will be addressed. Data Item A001
- 9.4 Provide a material status report detailing order status, long lead-time material list and estimated delivery dates. Data Item A011
- 9.5 The contractor shall provide electronic copies of all required and approved Liaison Action Reports (LAR). Applicable LARs are required ten (10) days after completion of each installation. **Data Item**

A008

- 9.6 Provide a copy of the welding procedures required and certification of welders. Data Item A005
- 9.7 Provide documentation to ensure QA procedures are being followed during the installation. Data Item A004
- 9.8 Provide documentation to certify that all material meets applicable specifications, standards, and drawings, and a technical point of contact for this information. **Data Item A015**
- 9.9 The contractor shall submit an approved LEVEL I Material Control Handling Procedure before commencement of any SHIPALT effort containing LEVEL I requirements. **Data Item A006**
- **10. SCHEDULE:** The Submarine SHIPALTs will commence immediately upon Delivery Order award and will be based on ships availability and schedule. The SSBN schedule for non-CNO availabilities is classified.
- 11. **OVERTIME:** Overtime is authorized for this task order to minimize the impact on ship's force and maintain availability of systems and equipment.
- 12. CONTRACTING OFFICER'S REPRESENTATIVE (COR)/SUBJECT MATTER EXPERT (SME):
 - 12.1 The COR for this task order will be Mr. (b) (6) NSWCPD Code (b) (6)
 - 12.2 The SME for this task order will be Mr. (b) (6) NSWCPD Code (b) (6)

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0003	Destination	Government	Destination	Government
0003AA	Destination	Government	Destination	Government
0003AB	3 Destination	Government	Destination	Government
0004	Destination	Government	Destination	Government
0004AA	Destination	Government	Destination	Government
0004AB	3 Destination	Government	Destination	Government
0005	N/A	N/A	N/A	Government

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	DODAAC
0003	N/A	N/A	N/A	N/A
0003AA	POP 18-JAN-2017 TO 30-MAR-2018	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6) NSWC PHILADELPHIA DIVISION NSLC DETACHMENT 1601 LANGLEY AVE, (b) (6) PHILADELPHIA PA 19112-5051 (b) (6) FOB: Destination	N64498
0003AB	POP 18-JAN-2017 TO 30-MAR-2018	N/A	N/A FOB: Destination	
0004	N/A	N/A	N/A	N/A
0004AA	POP 18-JAN-2017 TO 30-MAR-2018	N/A	N/A FOB: Destination	
0004AB	POP 18-JAN-2017 TO 30-MAR-2018	N/A	NAVAL SURFACE WARFARE CENTER PHILA (b) (6) NSWC PHILADELPHIA DIVISION NSLC DETACHMENT 1601 LANGLEY AVE, (b) (6) PHILADELPHIA PA 19112-5051 (b) (6) FOB: Destination	N64498
0005	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 97X4930 NH1Q 310 77777 0 050120 2F 000000 COST CODE: A00003774189

AMOUNT: (b) (2) CIN 130061616000001: (b) (2)

CIN 130061616000002:

Section J - List of Documents, Exhibits and Other Attachments

CDRLS

The following CDRLs will be uploaded into EDA:

- 1) A003 Integrated Master Schedule (POA&M)
- 2) A014 Completed Installation & Test Check Out Reports
- 3) A001 Contract Delivery Order Status Report
- 4) A011 Inventory Status Report
- 5) A008 Red-lined Ship Installatoion Drawings
- 6) A005 Personnel Qualifications/Certifications
- 7) A004 QA Work Book
- 8) A0015 Technical Reports
- 9) A006 In-process Control Procedures
- 10) DD254 Security Classifcation